

QP Code : 16140

(2 Hours)

[Total Marks : 40

- N.B.** (1) Question No. 1 is compulsory.
(2) Attempt any **three out of four** questions.
(3) **Figures to the right** indicate full marks.

1. (a) Write the mechanism of action of the following (any **two**) :— 4
(i) Cefepime
(ii) Pioglitazone
(iii) Zidovudine.
(b) State whether following statements are **True** or **False** and **Justify** (any **three**) :— 6
(i) Sulphonamide plus trimethoprim antagonizes each others action.
(ii) Hypoglycemia is the side effect of metformin.
(iii) Progesterin concentration remains low in combination pills.
(iv) Indinavir is nucleoside reverse-transcriptase inhibitor.
 2. (a) Explain Malarial parasite life cycle and mention the drugs acting on various stages. 6
(b) Discuss pharmacotherapy of leprosy. 4
 3. Classify antineoplastics and explain mechanisms of action of each class. 10
 4. (a) Write a note on insulin preparations. 6
(b) Role of bisphosphonates in the treatment of osteoporosis. 4
 5. Write a short notes on any **two** of the following :— 10
(a) Metronidazole
(b) Treatment for hyperthyroidism
(c) First-line treatment of tuber culosis.
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